What is claimed is:

- 1. A mobile micro-robot for use inside a body of an animal in minimally invasive surgery, comprising:
 - -a body;
 - -mobilization means for moving the micro-robot;
 - -controller means for controlling remotely the mobilization means;
 - -an actuator;
 - -a power supply; and
 - -at least one device selected from a manipulator or a sensor.
- 2. The mobile micro-robot of claim 1, wherein the body is shaped like a cylinder, sphere, snake or small vehicle.
- 3. The mobile micro-robot of claim 2, wherein the body is shaped like a cylinder.
- 4. The mobile micro-robot of claim 1, wherein the mobilization means comprises wheels, tracks, walking means, hopping means, rotation means, contortion of the body or a combination thereof.
- 5. The mobile micro-robot of claim 4, wherein the mobilization means is one or more wheels.

6. treads	The mobile micro-robot of claim 5, wherein the one or more wheels have s.
7.	The mobile micro-robot of claim 1, further comprising a transmitter.
8.	The mobile micro-robot of claim 1, further comprising a receiver.
9. receiv	The mobile micro-robot of claim 1, further comprising a transmitter and a ver.
actua	The mobile micro-robot of claim 1, wherein the actuator is a brushless current actuator, a magnetic direct current actuator, an electromagnet tor, a permanent magnet direct current motor, a shape memory alloy, a -electric-based actuator, a pneumatic actuator or a hydraulic actuator.
11. direct	The mobile micro-robot of claim 10, wherein the actuator is a brushless current actuator.
12. and p	The mobile micro-robot of claim 1, wherein the micro-robot is attached to owered by an external power supply.

The mobile micro-robot of claim 1, wherein the power supply in an

13.

internal power supply.

- 14. The mobile micro-robot of claim 13, wherein the internal power supply is one or more batteries.
- 15. The mobile micro-robot of claim 1, wherein the at least one device is a manipulator device that comprises an arm.
- 16. The mobile micro-robot of claim 1, wherein the at least one device is a sensor device selected from a camera, an imaging device, a pH sensor, a temperature sensor, a sensor to detect gasses, a sensor to detect electrical potential, a sensor to detect heart rate, a sensor to detect respiration rate, a sensor to detect humidity, or a sensor to detect blood.
- 17. The mobile micro-robot of claim 1, wherein the at least one device comprises a manipulator and an imaging device.
- 18. The mobile micro-robot of claim 1, wherein the mobile micro-robot is wireless.
- 19. The mobile micro-robot of claim 18, wherein the actuator is a brushless direct current motor, the power supply is a battery, and the mobile micro-robot further comprises a receiver and a transmitter.

20.	A method for performing minimally invasive surgery inside a body of an	
anima	I comprising using the device of claim 1 for at least one of detection or	
manipulation.		
21.	A mobile micro-robot for use inside a body of an animal in minimally	
invasive surgery, comprising:		
	-a body;	
	-a body,	
	-wheels;	
	-a controller means for controlling remotely the wheels;	
	a controller integrits for controlling removery and invester,	
	-a brushless direct current motor;	
	-a battery; and	
	-at least one device selected from a manipulator or a sensor.	
22.	A mobile micro-robot for use inside a body of an animal in minimally	
invasive surgery, comprising:		
	-a body;	
	-a sensor;	
	-mobilization means for moving the sensor;	
	-controller means for controlling remotely the mobilization means;	
	-an actuator; and	
	-a power supply.	

- 23. The mobile micro-robot of claim 22, wherein the sensor in an imaging device.
- 24. The mobile micro-robot of claim 23, wherein the positioning is pan, tilt or combinations thereof.